

Product Name :
Astra Scientific Tool and Cutter Grinding Machine

Product Code :
CNCWORK0016



Description :

Astra Scientific Tool and Cutter Grinding Machine

Technical Specification :

Construction:

Wheel Head: It is of rigid construction and holds the spindle assembly. It can be fitted horizontally and swiveled vertically full 360 degree, for quick setting of compound angles. Wheel head is mounted on the rigid column, which can be raised/lowered up/down. Wheel head also can be adjusted 150 mm on cross direction.

Wheel Head Spindle:

Alloy steel hardened and ground spindle is mounted on precision preloaded radial ball bearings, which are greased packed. The grinding wheels can be mounted on both sides of the spindle and the wheels mount design is such that the spindle can be reversed.

Work Table:

This is mounted on the carriage and can be swiveled 45 degrees on either side of the column. This table has a smoother and rapid movement longitudinally on the carriage through a roller chain guided and

supported in jibs. Slow movement is through a reduction gearbox. Change over from rapid to slow movement is through a push/pull knob. The precise movement on roller chain enables smooth, sensitive and accurate longitudinal movement even with heavy jobs. The adjustable reversing dogs on the work table are spring loaded for shockproof reversal of table.

Auxiliary Table:

This table is mounted on work table and in both horizontal and vertical planes. It can hold job up to 600 mm with the aid of raising blocks. It's spindle nose has ISO 50/MT 5 tapers and the spindle is mounted to taper roller bearings.

Max. swing on std. center	mm	250	250	280
Swing with raising blocks	mm	350	350	380
Length between work head and RH tail stock	mm	330	520	610
Admit between centers	mm	440	670	760
Max. Height center of wheel above table	mm	300	300	380
Longitudinal traverse	mm	400	480	510
Cross traverse	mm	200	250	250
Swivel either side of centre(End scale)	deg.	-	9	9
Swivel LH/RH of column (Center scale)	deg.	45°/45°	45°/45°	45°/45°
Size of table	mm	750 x 115	920 x 140	1010 x 140
Vertical adjustment of wheel head	mm	210	210	290
Wheel Head Swivel	deg.	3600	3600	3600
Tilting in either direction	deg.	180 ±	180 ±	180 ±
Spindle speed	rpm	3800/5600	3800/5600	3800/5600
Motor power	KW/HP	0.75/1	0.75/1	0.75/1
Net weight of the machine	kg.	750	1150	1250
Gross weight of the machine	kg.	900	1350	1450
Dimension of Machine (L x W x H)	mm	1075 x 1100 x 1400	1325 x 1170 x 1460	1325 x 1170 x 1460



Astra Scientific

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